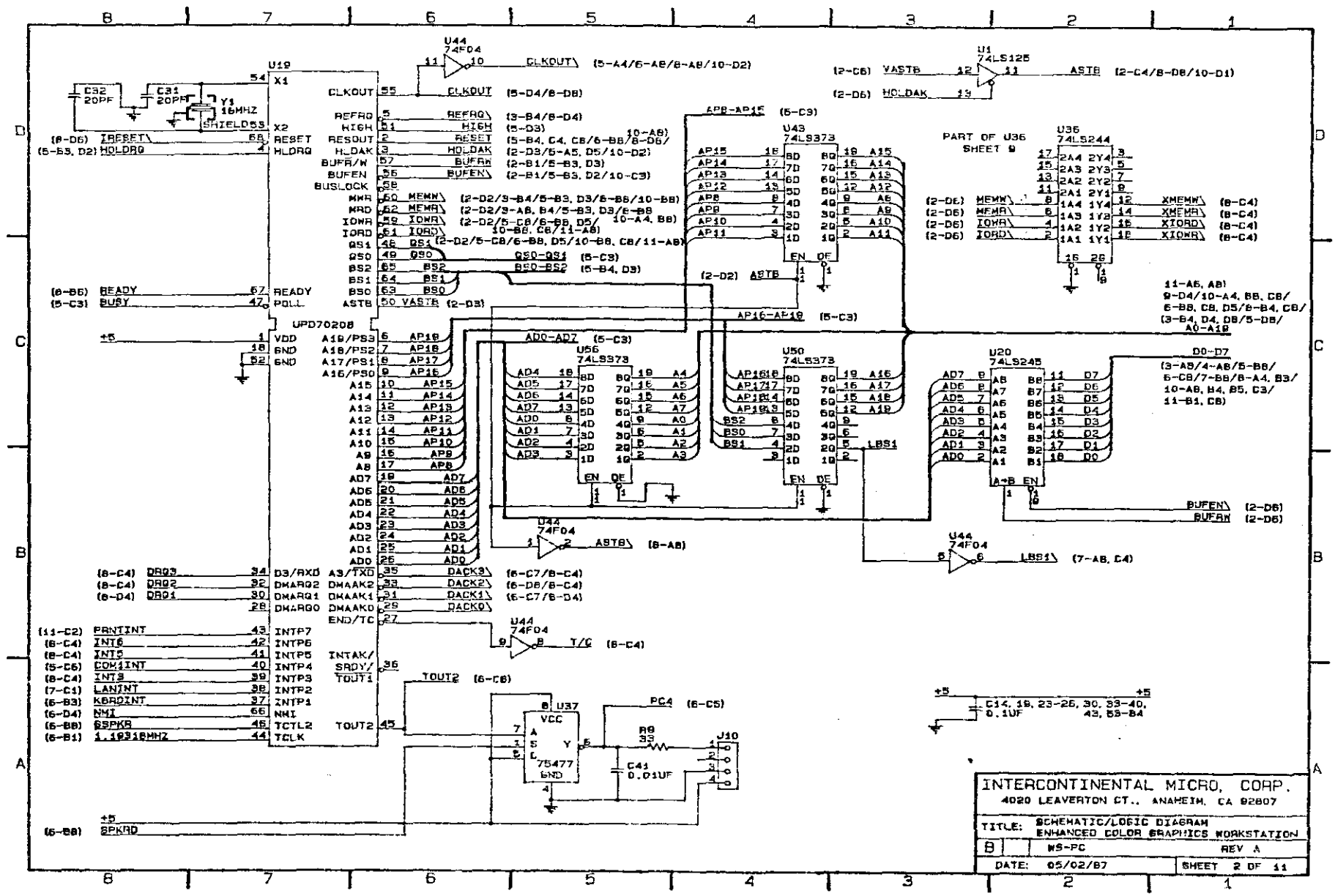
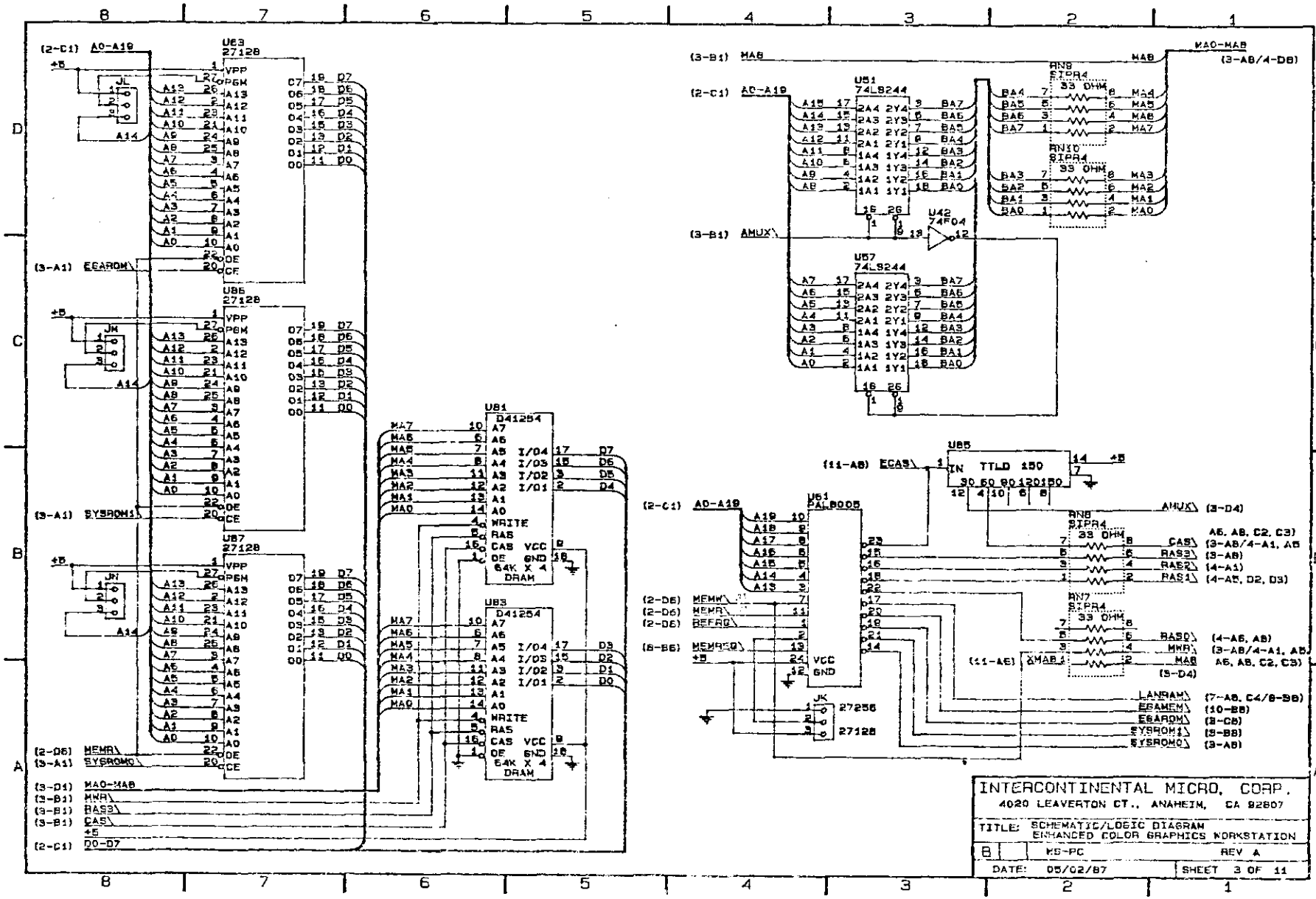
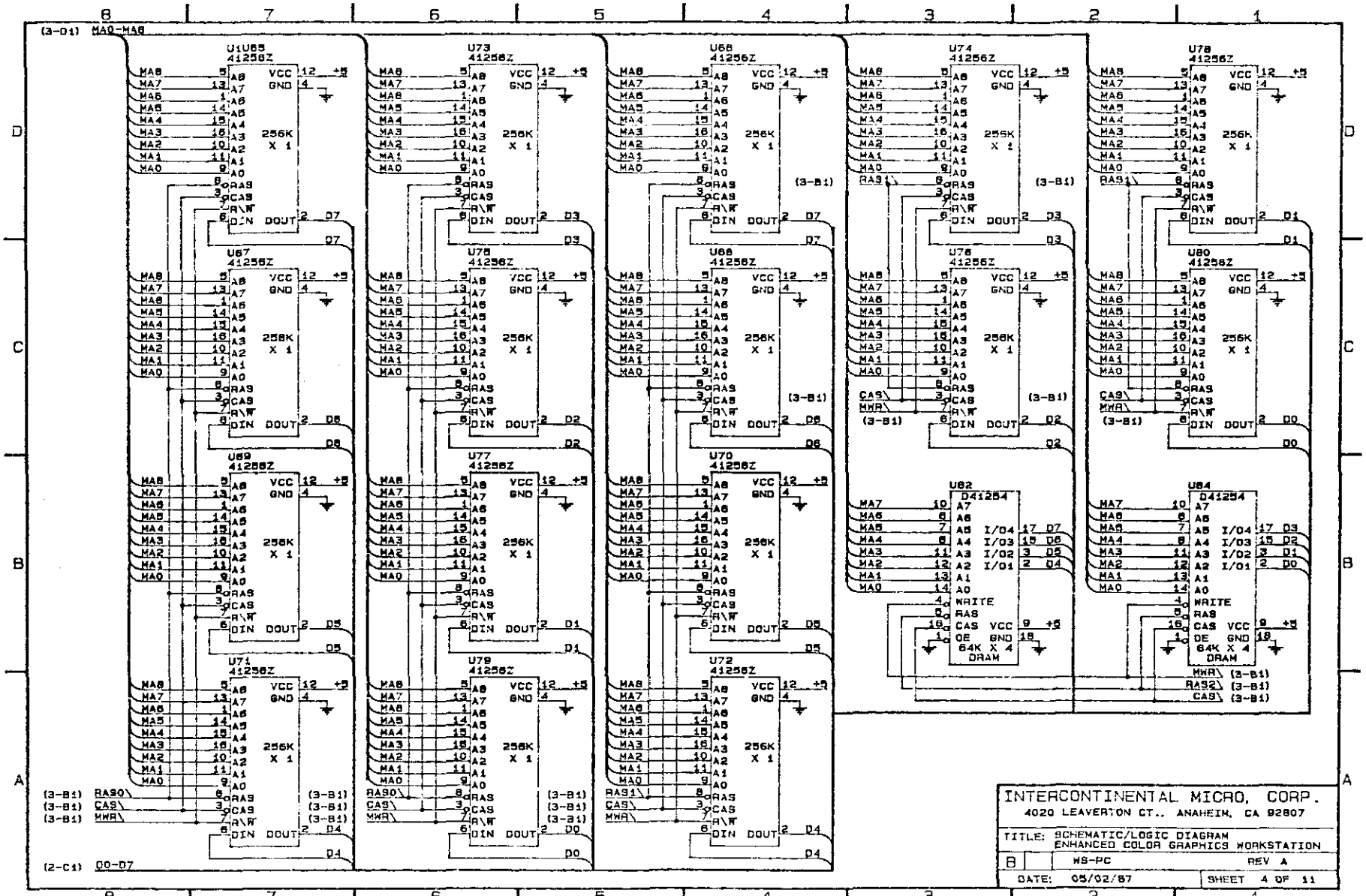
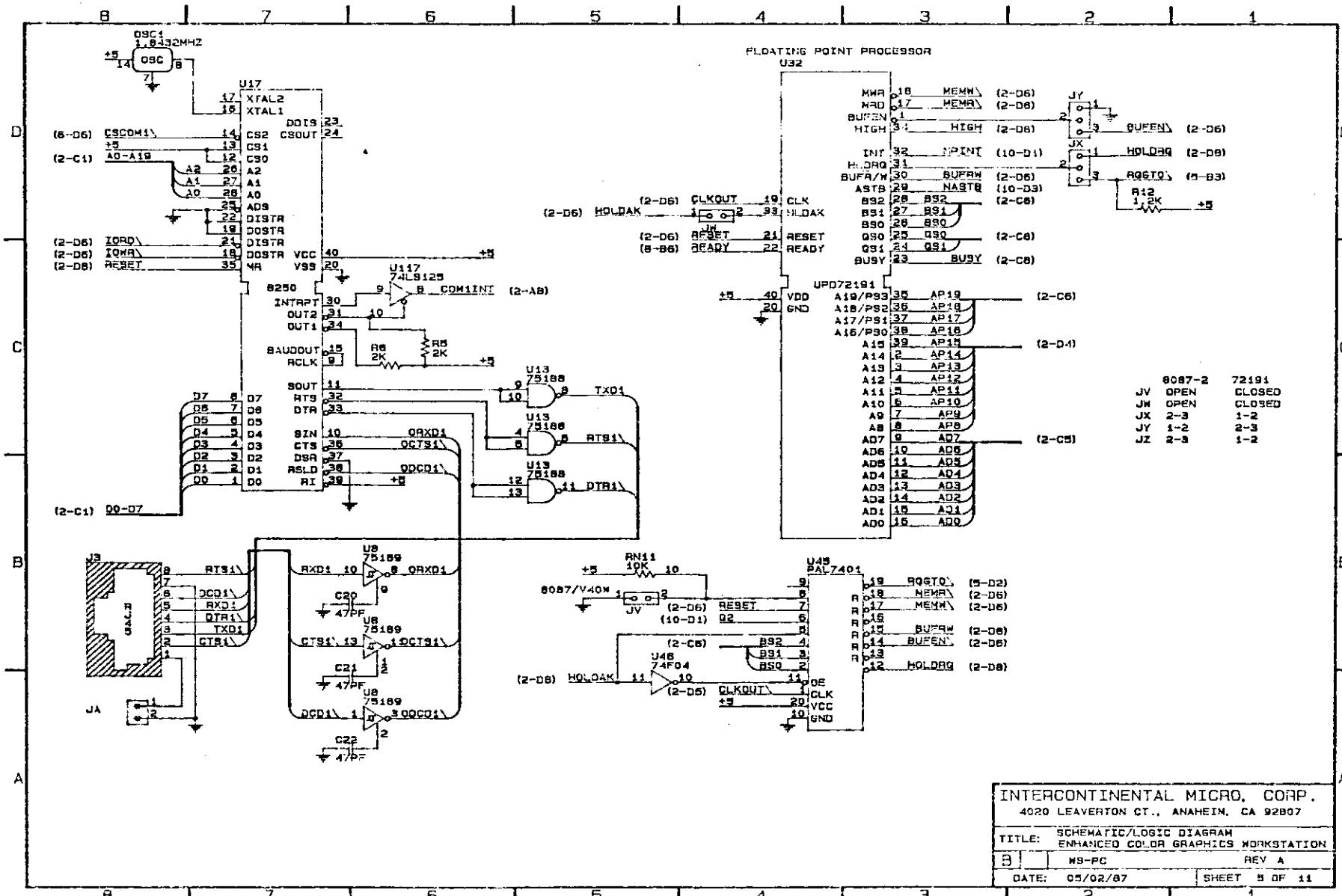
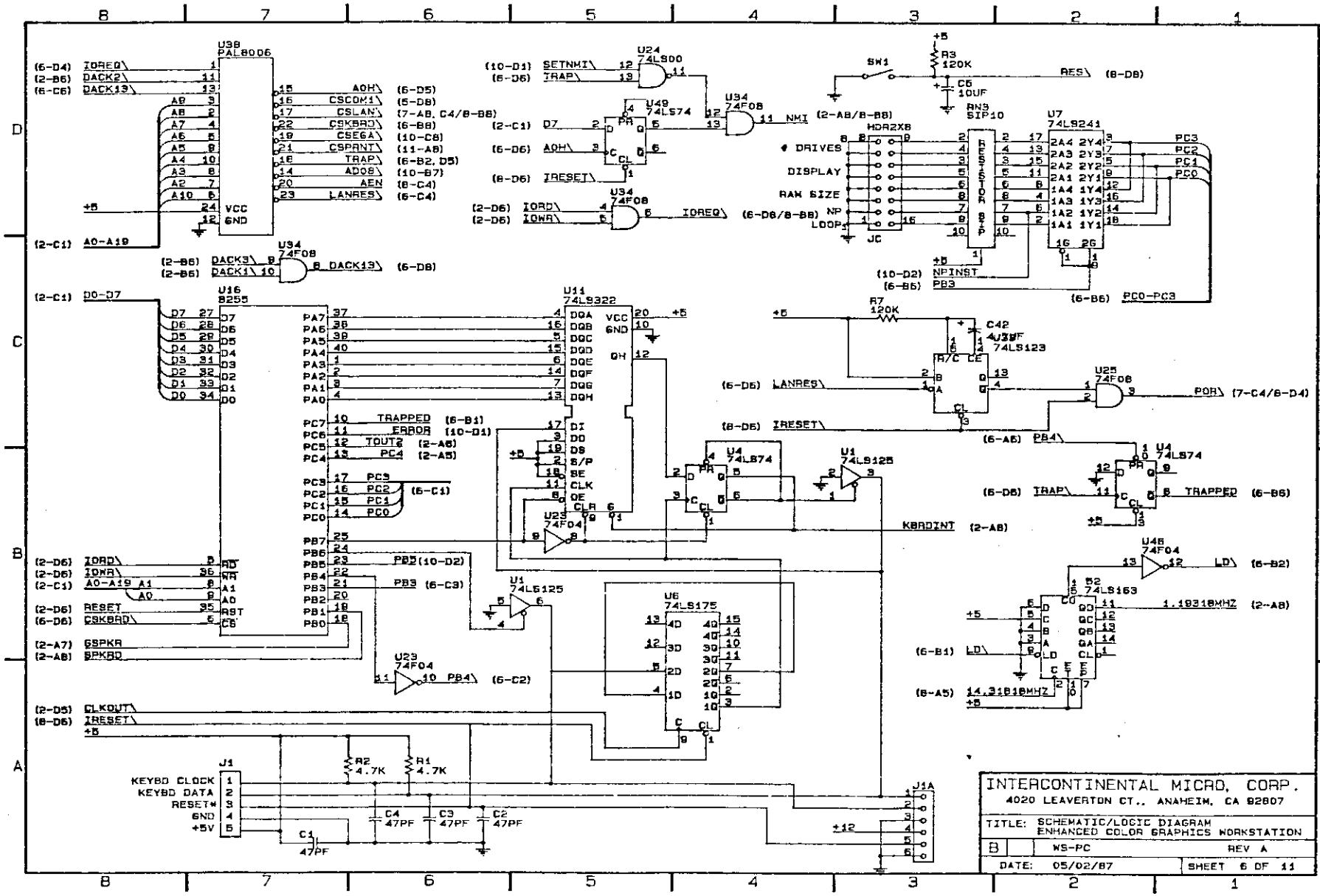
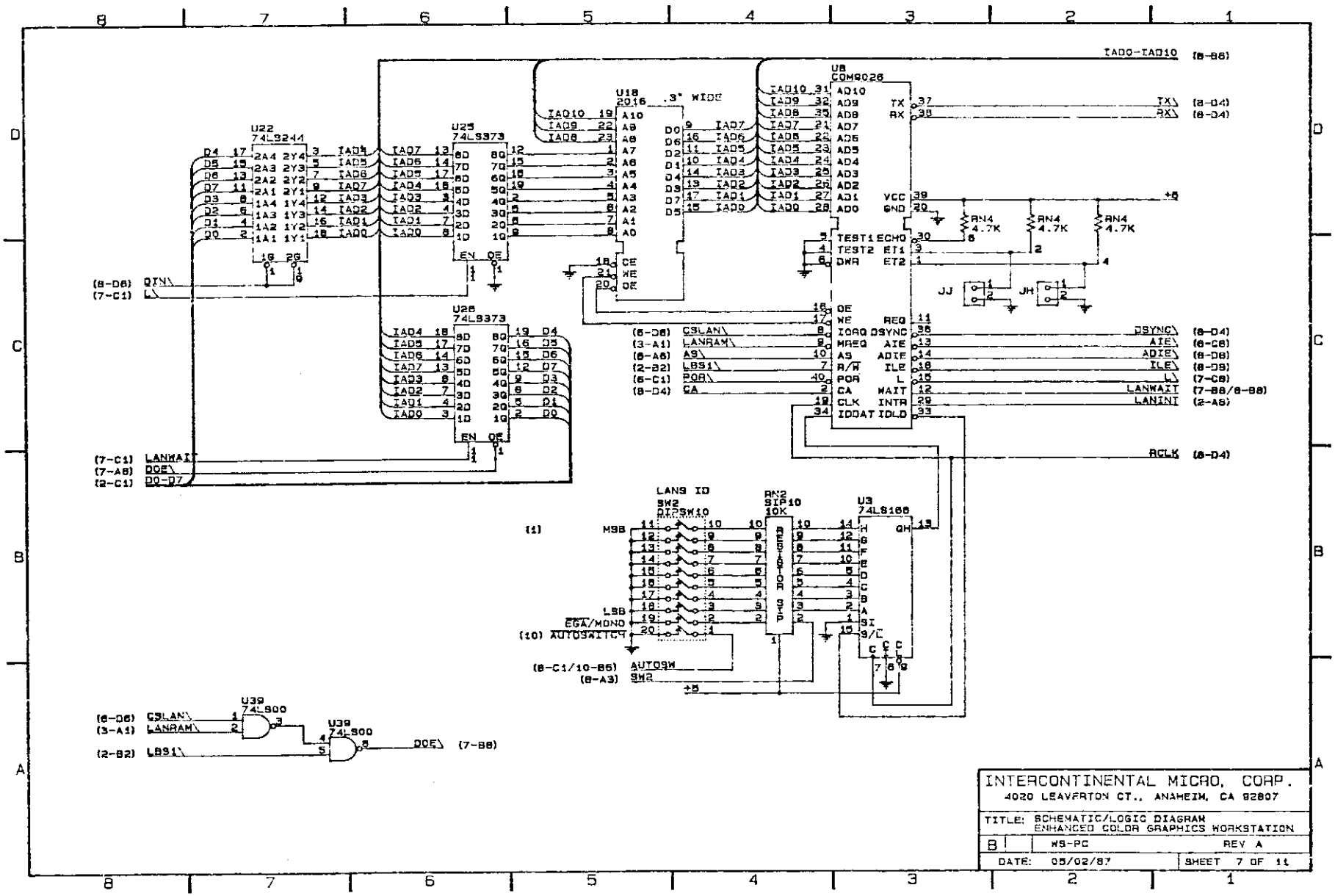

U19
UPD70208
U44
74F04
U43
74LS373
U56
74LS373
U50
74LS373
U36
74LS244
PART OF U36
SHEET 9
U20
74LS245
U1
74LS125
U37
75477
C32
20PF
C31
20PF
Y1
16MHZ
SHIELDSS
CLKOUT
REFRQ
HIGH
RESOUT
HLDAK
BUFR/W
BUFEN
BUSLOCK
MWR
MRD
IOWR
IORD
DS1
DS0
BS2
BS1
BS0
ASTB
READY
POLL
VDD
GND
GND
A19/PS3
A18/PS2
A17/PS1
A16/PS0
A15
A14
A13
A12
A11
A10
A9
A8
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
D3/RXD
A3/TXD
DMARQ2
DMARQ1
DMARQ0
DMAAK2
DMAAK1
DMAAK0
END/TC
INTP7
INTP6
INTP5
INTP4
INTP3
INTP2
INTP1
NMI
TCTL2
TCLK
INTAK/
SRDY/
TOUT1
TOUT2
R9
33
C41
0.01UF
J10
C14, 19, 23-26, 30, 33-40, 42, 55-84
0.1UF
INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
B
WS-PC
REV A
DATE: 05/02/87
SHEET 2 OF 11


U63
27128
U86
27128
U87
27128
U81
D41254
U83
D41254
U61
74LS244
U57
74LS244
U42
74F04
U61
PAL20C5
U65
TTL 150
RN5
SIPR4
33 OHM
RN10
SIPR4
33 OHM
RN6
SIPR4
33 OHM
RN7
SIPR4
33 OHM
JL
JM
JN
JK
27256
27128
A0-A19
MA0-MA8
AMUX\
ECAS\
EEAROM\
SYSROM1\
MEMR\
SYSROM0\
MEMRD\
CAS\
RAS3\
RAS2\
RAS1\
RASO\
MWR\
MAB\
XMAB\
LANRAM\
EGAMEM\
EGAROM\
SYSROM1\
SYSROM0\
INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
B
MS-PC
REV A
DATE: 05/02/87
SHEET 3 OF 11

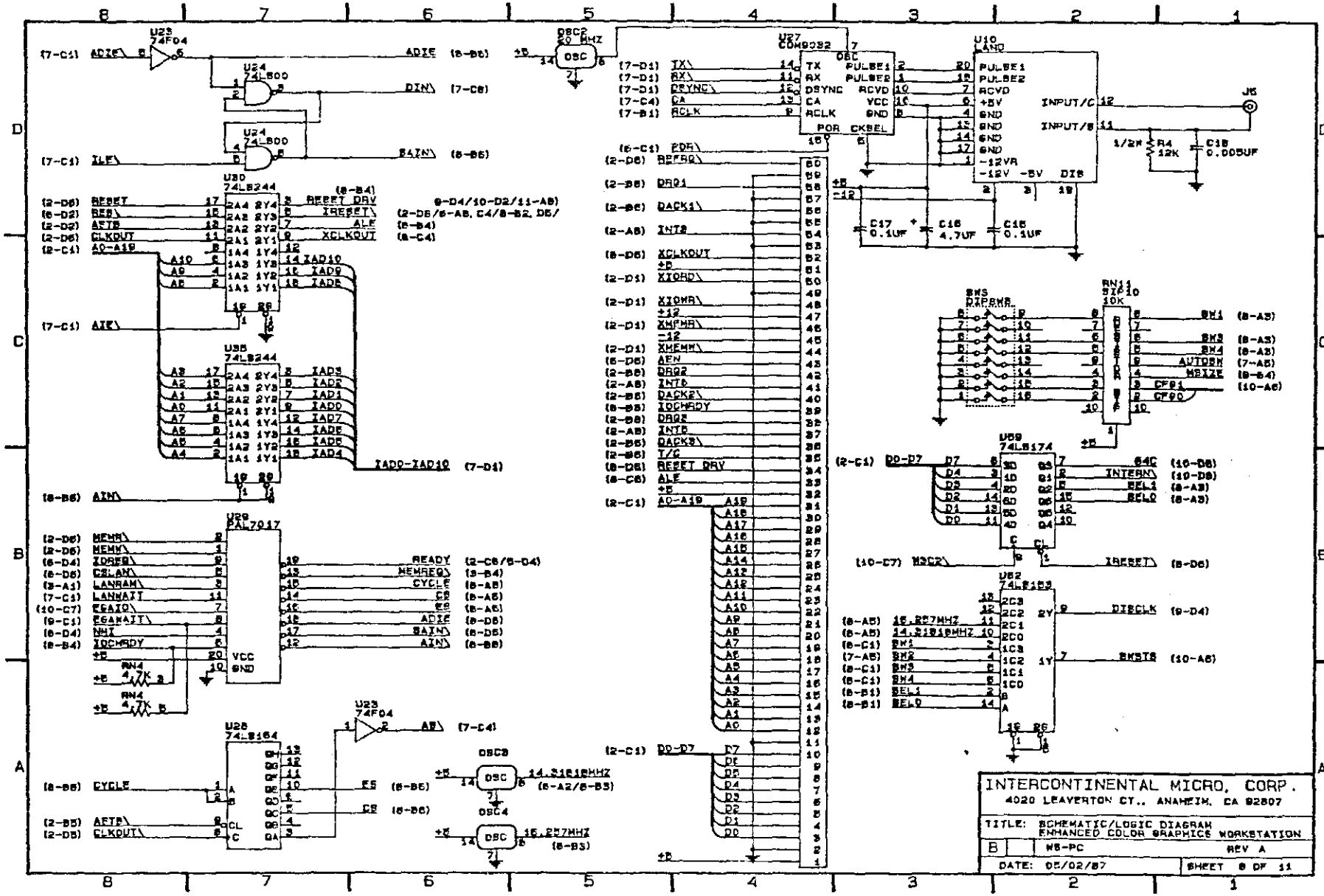

(3-D1) MA0-MA8
U1U65
U67
U69
U71
U73
U75
U77
U79
U66
U68
U70
U72
U74
U76
U78
U80
41256Z
256K X 1
U82
U84
D41254
64K X 4 DRAM
(3-B1) RAS0\
(3-B1) CAS\
(3-B1) MWR\
(2-C1) D0-D7
INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
WS-PC
REV A
DATE: 05/02/87
SHEET 4 OF 11

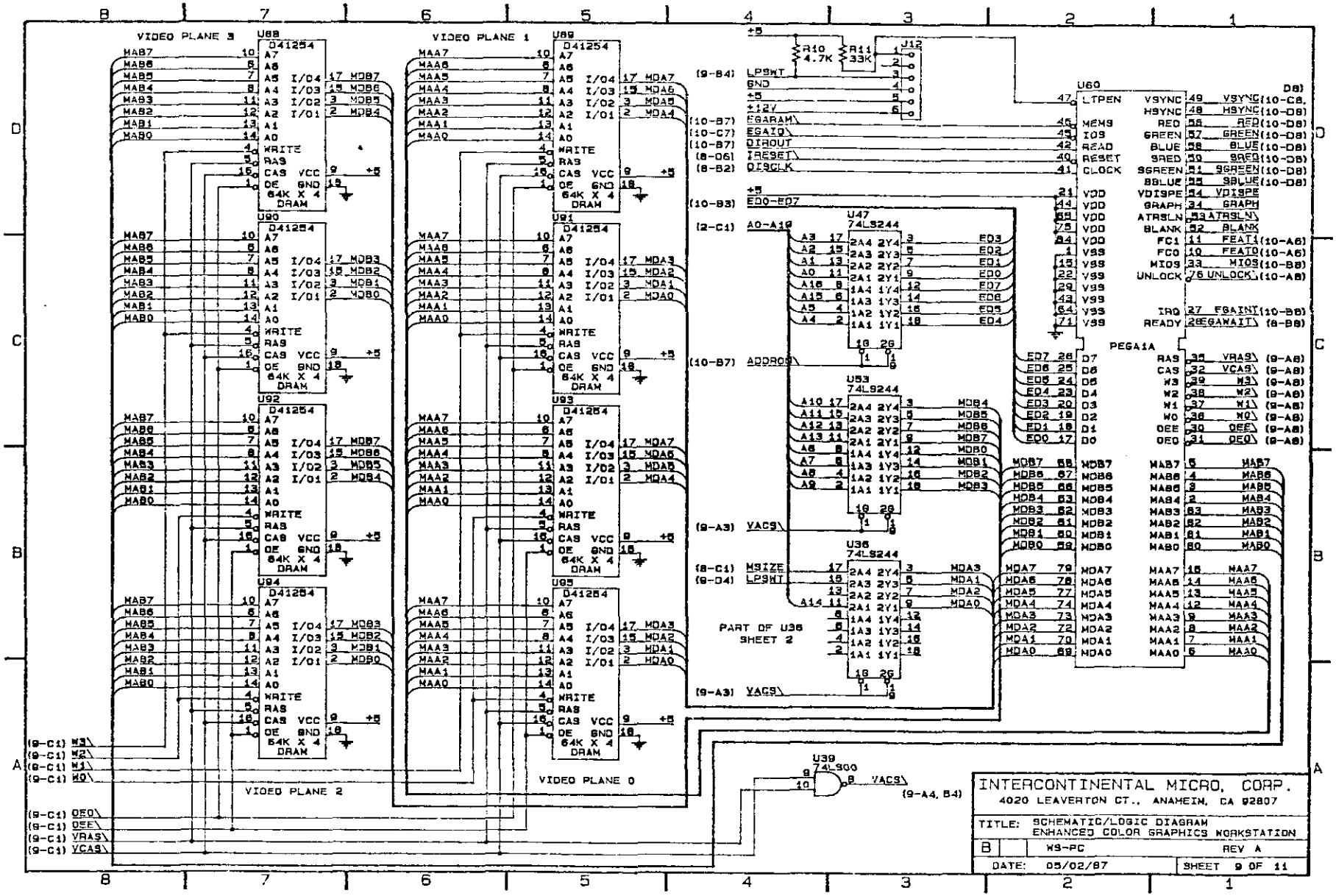

FLOATING POINT PROCESSOR
U32
OSC1
1.8432MHZ
U17
8250
U117
74LS125
U13
75188
U8
75189
U46
74F04
U45
PAL7401
RN11
10K
UPD72191
JV
JW
JX
JY
JZ
J3
JA
8087-2 72191
JV OPEN CLOSED
JW OPEN CLOSED
JX 2-3 1-2
JY 1-2 2-3
JZ 2-3 1-2
INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
B
MS-PC
REV A
DATE: 05/02/87
SHEET 5 OF 11

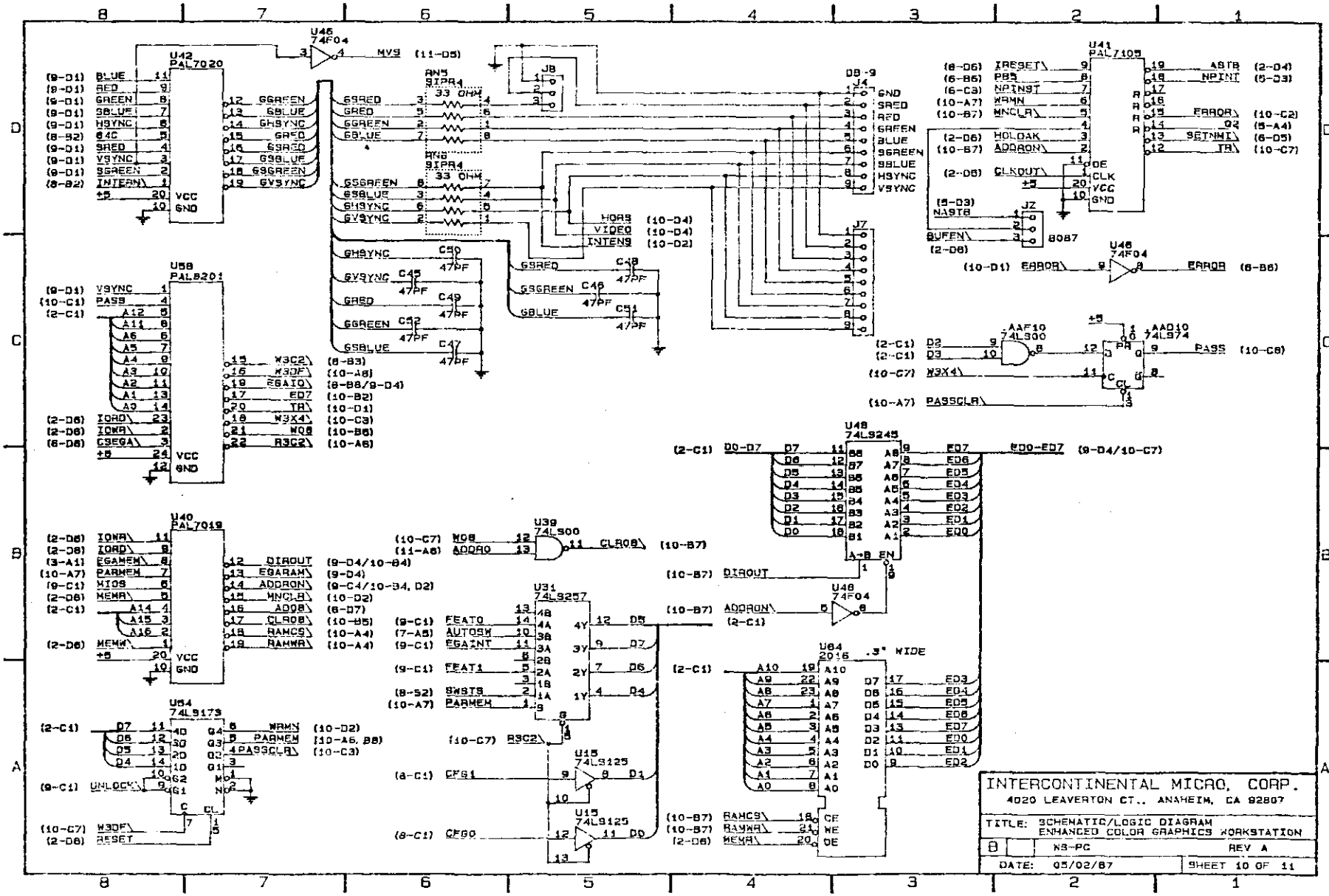

U38 PAL8006
U24 74LS00
U49 74LS74
U34 74F08
SW1
R3 120K
C5 10UF
RES\ (8-D8)
RN3 SIP10
HDR2X8
DRIVES
DISPLAY
RAM SIZE
NP
LOOP
JC
U7 74LS241
PC3
PC2
PC1
PC0
NPINST
PB3
(6-B6) PC0-PC3
U16 8255
U11 74LS9322
R7 120K
C42 4.7UF
74LS123
U25 74F08
POR\ (7-C4/8-D4)
LANRES\
IRESET\
PA7
PA6
PA5
PA4
PA3
PA2
PA1
PA0
PC7 TRAPPED (6-B1)
PC6 ERROR (10-D1)
PC5 TOUT2 (2-A6)
PC4 PC4 (2-A5)
PC3 PC3
PC2 PC2
PC1 PC1
PC0 PC0
U4 74LS74
U1 74LS125
U23 74F04
TRAP\
TRAPPED (6-B6)
KBRDINT (2-A8)
PB7
PB6
PB5 PB5 (10-D2)
PB4
PB3 PB3 (6-C3)
PB2
PB1
PB0
U6 74LS175
U46 74F04
LD\ (6-B2)
U52 74LS163
1.19318MHZ (2-A8)
LD\ (6-B1)
14.31818MHZ (6-A5)
GSPKR (2-A7)
SPKBD (2-A8)
PB4\ (6-C2)
CLKOUT\ (2-D5)
IRESET\ (8-D6)
J1
KEYBD CLOCK
KEYBD DATA
RESET*
GND
+5V
R2 4.7K
R1 4.7K
C4 47PF
C3 47PF
C2 47PF
C1 47PF
J1A
+12
INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
B
WS-PC
REV A
DATE: 05/02/87
SHEET 6 OF 11

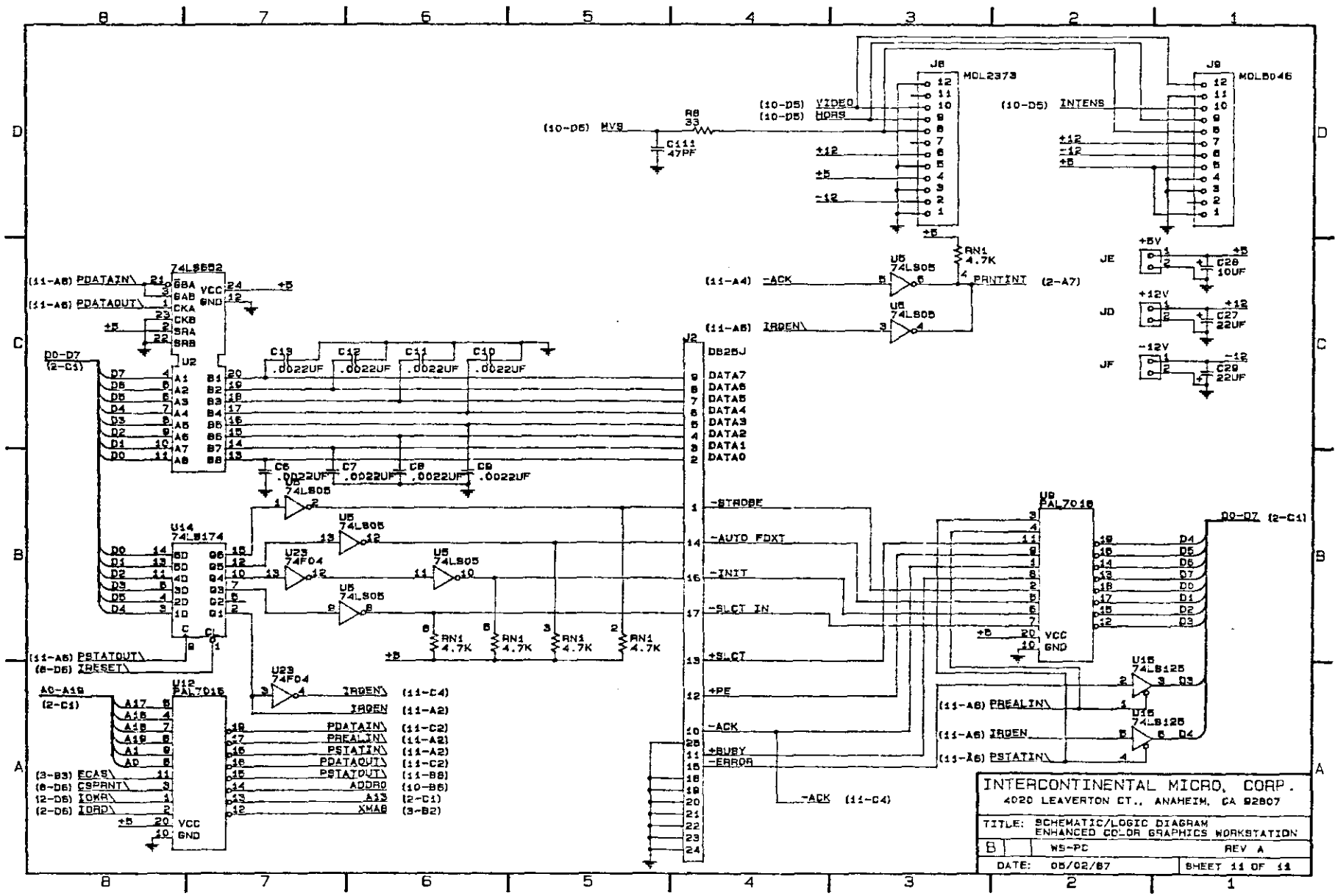


INTERCONTINENTAL MICRO, CORP.	
4020 LEAVERTON CT., ANAHEIM, CA 92807	
TITLE: SCHEMATIC/LOGIC DIAGRAM ENHANCED COLOR GRAPHICS WORKSTATION	
B	WS-PC REV A
DATE: 05/02/87	SHEET 7 OF 11


INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
B
MS-PC
REV A
DATE: 05/02/87
SHEET 8 OF 11


VIDEO PLANE 3
VIDEO PLANE 2
VIDEO PLANE 1
VIDEO PLANE 0
U88
U89
U90
U91
U92
U93
U94
U95
D41254
64K X 4 DRAM
U60
PEGA1A
U47
74LS244
U53
74LS244
U36
74LS244
PART OF U36 SHEET 2
U39
74LS00
R10 4.7K
R11 33K
J12
INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
B
WS-PC
REV A
DATE: 05/02/87
SHEET 9 OF 11


U46 74F04
U42 PAL7020
RN5 SIPR4 33 OHM
RN6 SIPR4 33 OHM
J8
J4 DB-9
J7
U41 PAL7105
J2 8087
U58 PAL8201
U40 PAL7019
U54 74LS173
U39 74LS00
U31 74LS257
U15 74LS125
U15 74LS125
U48 74LS245
U48 74F04
U64 2016 .3" WIDE
U46 74F04
U46 74F04
AAF10 74L300
AAD10 74L974
C50 47PF
C45 47PF
C49 47PF
C52 47PF
C47 47PF
C48 47PF
C46 47PF
C51 47PF
INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
8 NS-PC REV A
DATE: 05/02/87 SHEET 10 OF 11


INTERCONTINENTAL MICRO, CORP.
4020 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
ENHANCED COLOR GRAPHICS WORKSTATION
B
WS-PC
REV A
DATE: 05/02/87
SHEET 11 OF 11